



Attorney's Docket No

07977-202001

US3497

AF 2871/1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Takeshi Nishi Art Unit : 2871
Serial No.: 08/974,621 Examiner : D. Nguyen
Filed : November 19, 1997
Title : LIQUID CRYSTAL DISPLAY PANEL AND METHOD FOR
MANUFACTURING LIGHT REFLECTING FILM THEREOF

Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER


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The required fees are computed below. Please apply any charges
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Total Claims	24	-	24	=	0	\$0
Independent	5	-	5	=	0	\$0
Response						\$0
Applicant hereby petitions under 37 C.F.R. §1.136 for a 1 month extension of time.						\$110
TOTAL FEE DUE						\$110

A check for \$110 is attached.

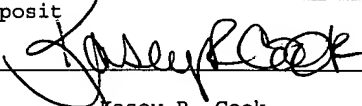
Respectfully submitted,

Date: 8/20/01


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RESPONSE

Reconsideration and allowance of the above-referenced application are respectfully requested. The following remarks are responsive to the April 18, 2001 Office Action. Applicants respectfully request reconsideration of the application in view of the following comments.

Response to Specification Objections

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter of "layers of a light reflective film have a porous surface and include concavities and convexities." However, the "layers of a light reflective film have a porous surface" is supported at page 6, lines 20-21 of the specification and "layers of a light reflective

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film include concavities and convexities" is supported at page 16, lines 23-24. The porous surface is clearly supported in the specification, and therefore Applicants request the objection be withdrawn.

Response to the Claim Rejections Under 35 U.S.C § 103

Claims 1-8, 12-17, and 19-26 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 5,805,252 issued to Shimada, et al. in view of U.S. Patent No. 5,550,658 issued to Yoshihiro, et al. The rejection asserts that Shimada allegedly teaches each element of the claims except for light reflective film formed of at least two layers having the same or different configurations, which is allegedly taught by Yoshihiro.

The present invention relates to a reflective type liquid crystal display device. One embodiment of the invention includes a light reflective film formed on a pixel electrode of a thin film transistor, and the light reflective film has a porous surface. The porous surface includes concavities and convexities. This structure is effective in that the light reflective film can make the light scattering large in amount and can also reflect the light in a desired direction by changing its pore size or depth.

None of the cited art teaches or suggests the present invention. The light reflective film of the present invention has a porous surface and includes concavities and convexities. Although Shimada teaches bumps (42a) on the cover page, Shimada does not teach that the light reflective film has a porous surface. None of the other cited art teaches a porous surface.

In view of the foregoing distinctions, Applicants respectfully submit that independent Claims 1, 8, 14, 19, and 23 are patentably distinguished over the cited art. Applicants respectfully submit that Claims 1, 8, 14, 19, and 23 are in condition for allowance, and Applicants respectfully request allowance of Claims 1, 8, 14, 19, and 23.

Claims 2-7, 12, 13, 15-17, 20-22, and 24-26 depend either directly or indirectly from one of the independent claims. Each dependent claim further defines the independent claim from which it depends. In view of the foregoing remarks regarding Claims 1, 8, 14, 19, and 23, Applicants respectfully submit that Claims 2-7, 12, 13, 15-17, 20-22, and 24-26 are likewise in condition for allowance. Applicants respectfully request allowance of dependent Claims 2-7, 12, 13, 15-17, 20-22, and 24-26.

Allowable Subject Matter

Claims 11 and 18 are indicated to contain allowable subject matter if rewritten in independent form. In view of the foregoing remarks regarding the independent claims, Applicants respectfully submit that Claims 11 and 18 are now in condition for allowance. However, Applicant reserves the right to rewrite Claims 11 and 18 in independent form.


Summary

In view of the above amendments and remarks, all of the claims should be in condition for allowance. A formal notice to that effect is respectfully solicited.

Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

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